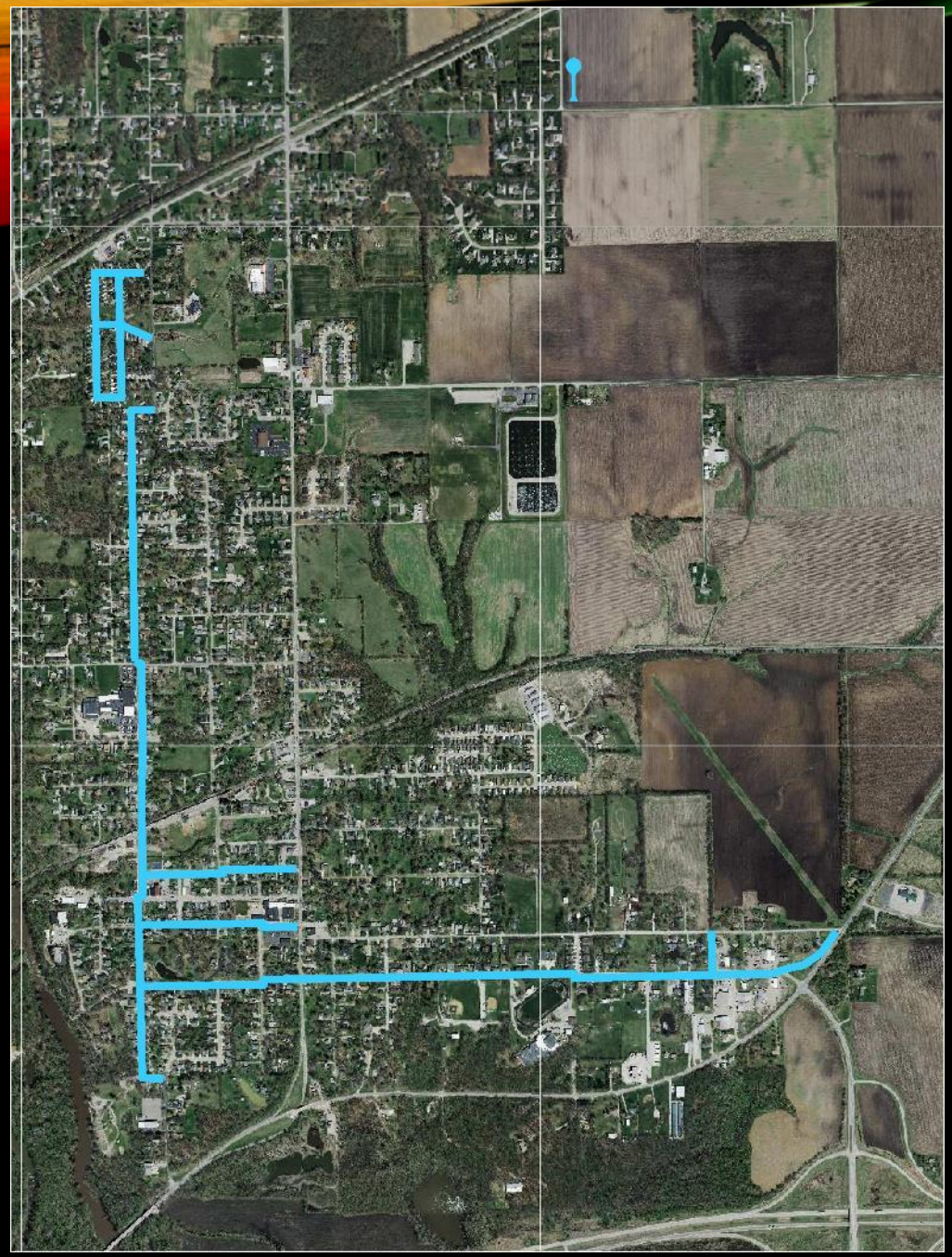
VILLAGE OF RIVERTON

Infrastructure Study

KUHN & TRELLO

WATER



Scope of water system improvements

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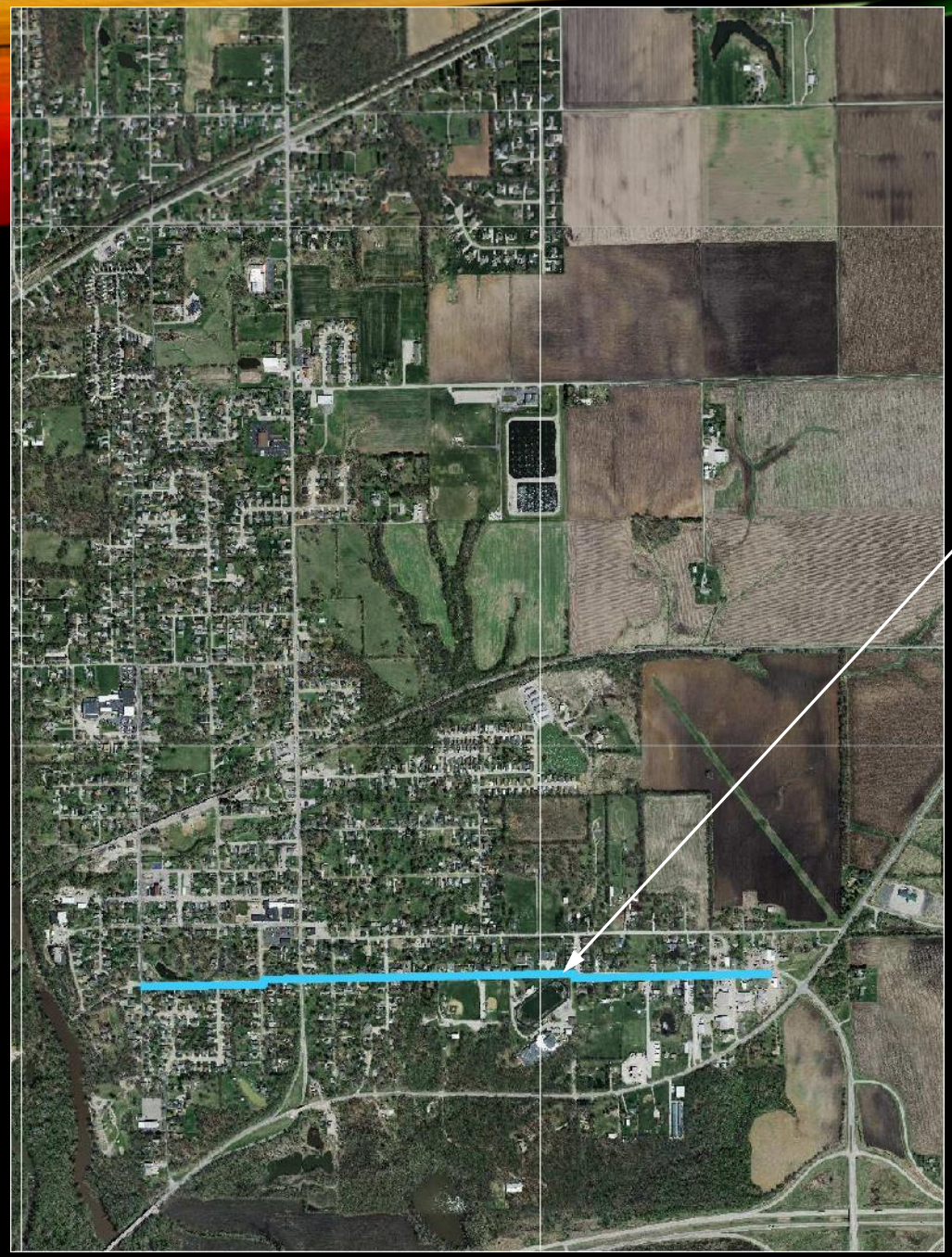
WATER



Lincoln Street

Install new 6" watermain and services
From 3rd Street to Route 36

$470,000

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WATER

Lincoln Street to Washington Street
Via Turney Street

Install new 6" watermain

$27,000

Lincoln Street to Washington Street
Via Route 36

Install new 10" watermain

$54,000

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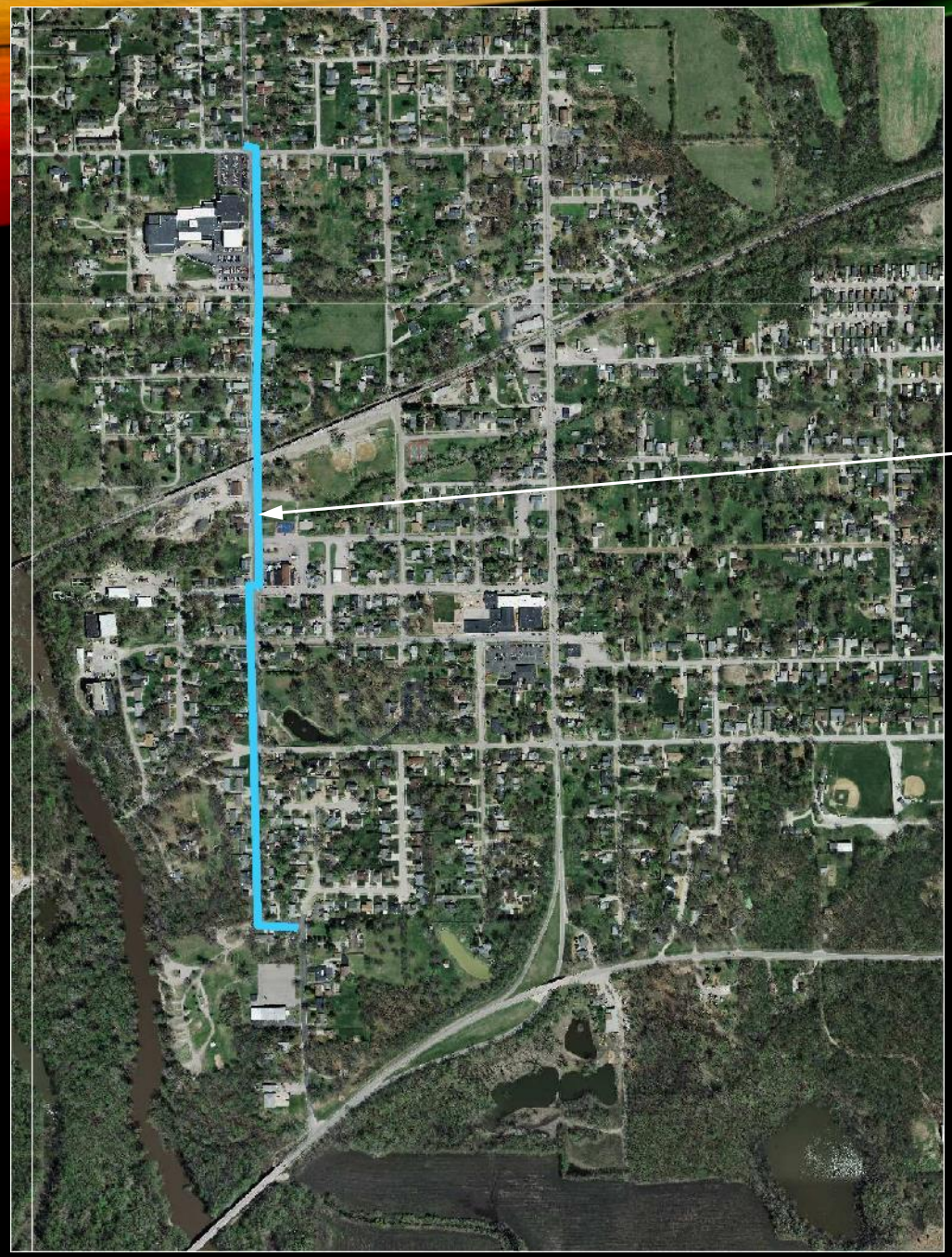
WATER



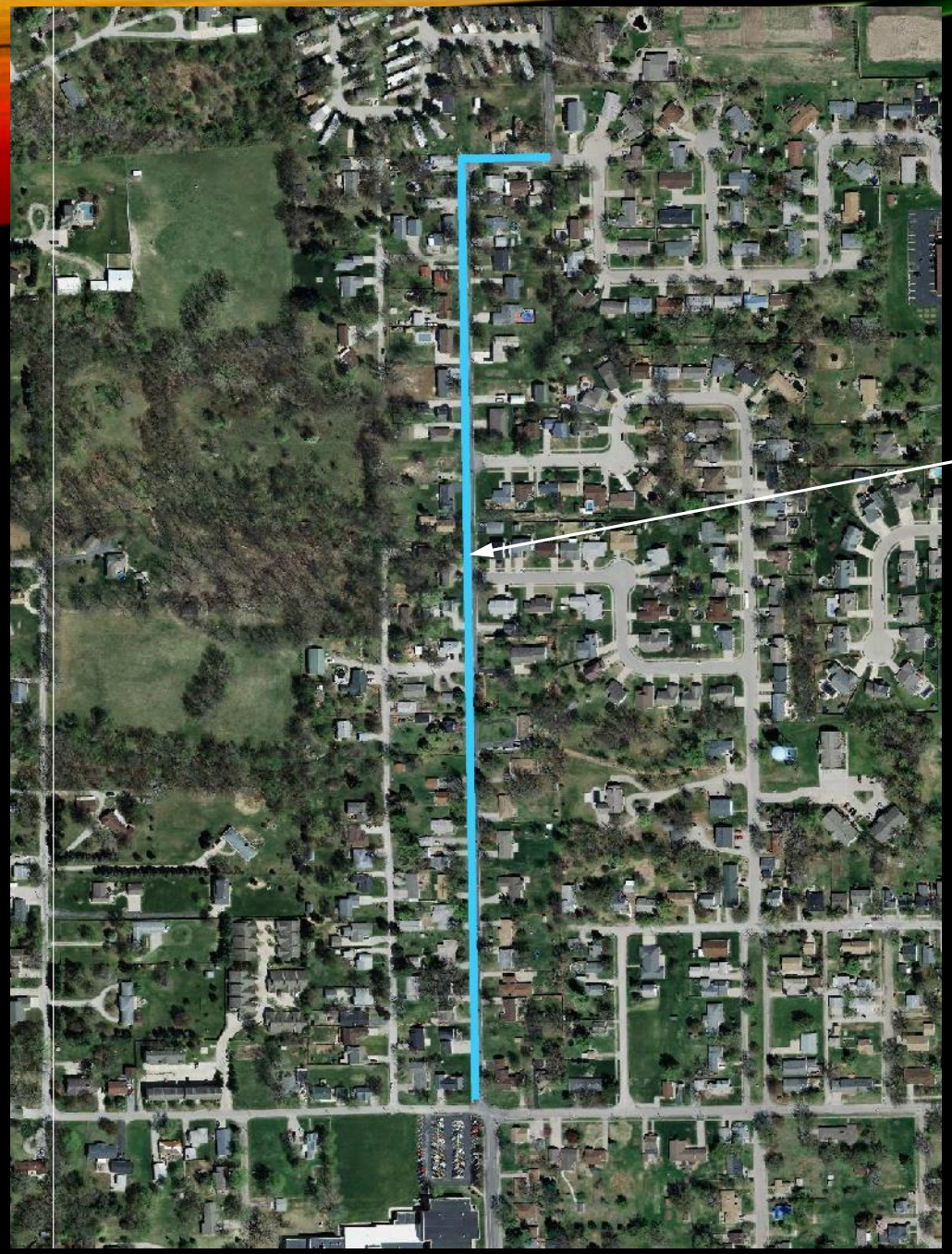
3rd Street from South 4th Street to Menard Street

Install new 6" watermain and services

$340,000

KUHN & TRELLO

WATER

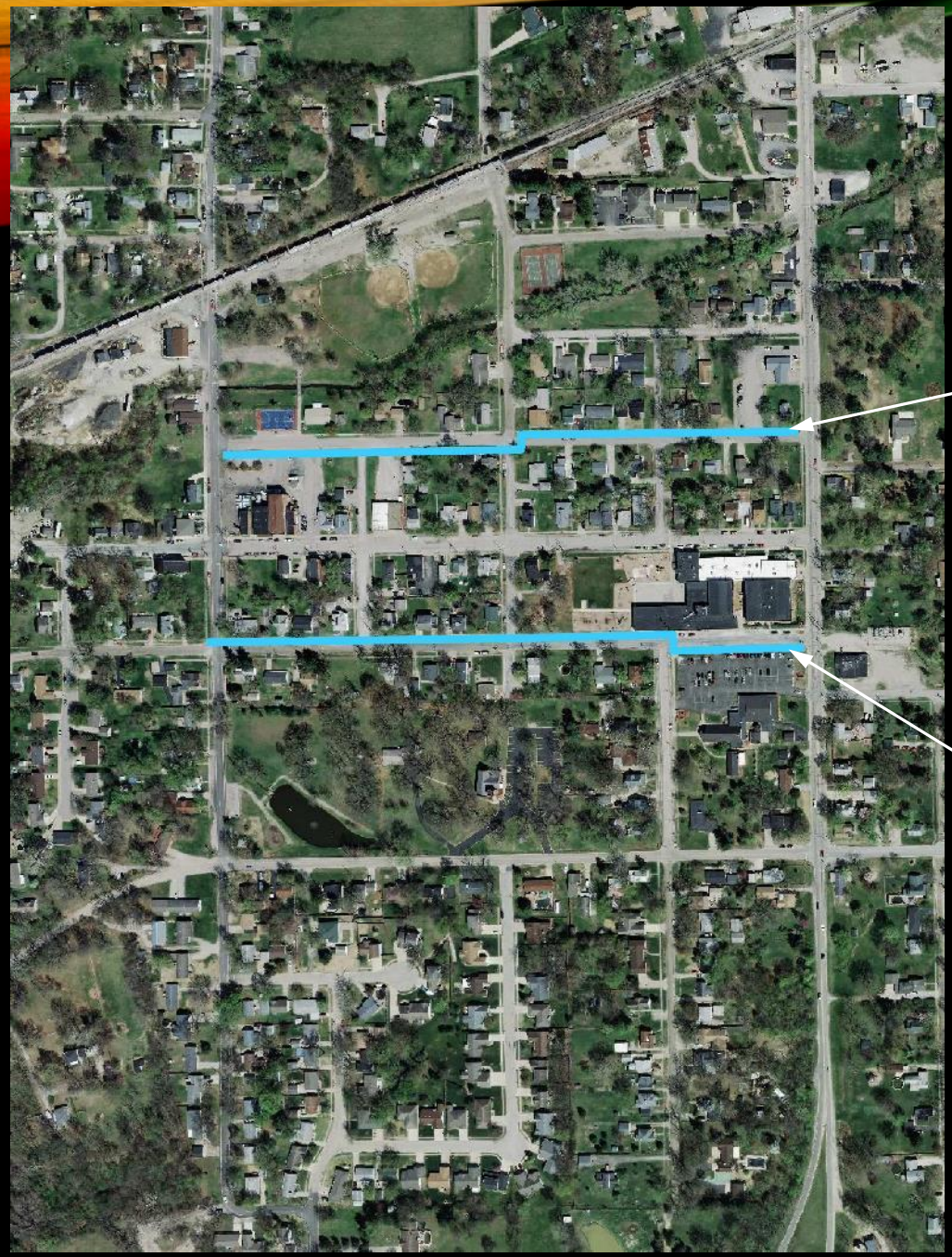


3rd Street from Menard Street to the S-curve

Install new 6" watermain and services

$198,000

WATER



Adams Street from 3rd Street to 7th Street

Install new 8" watermain and services

$138,000

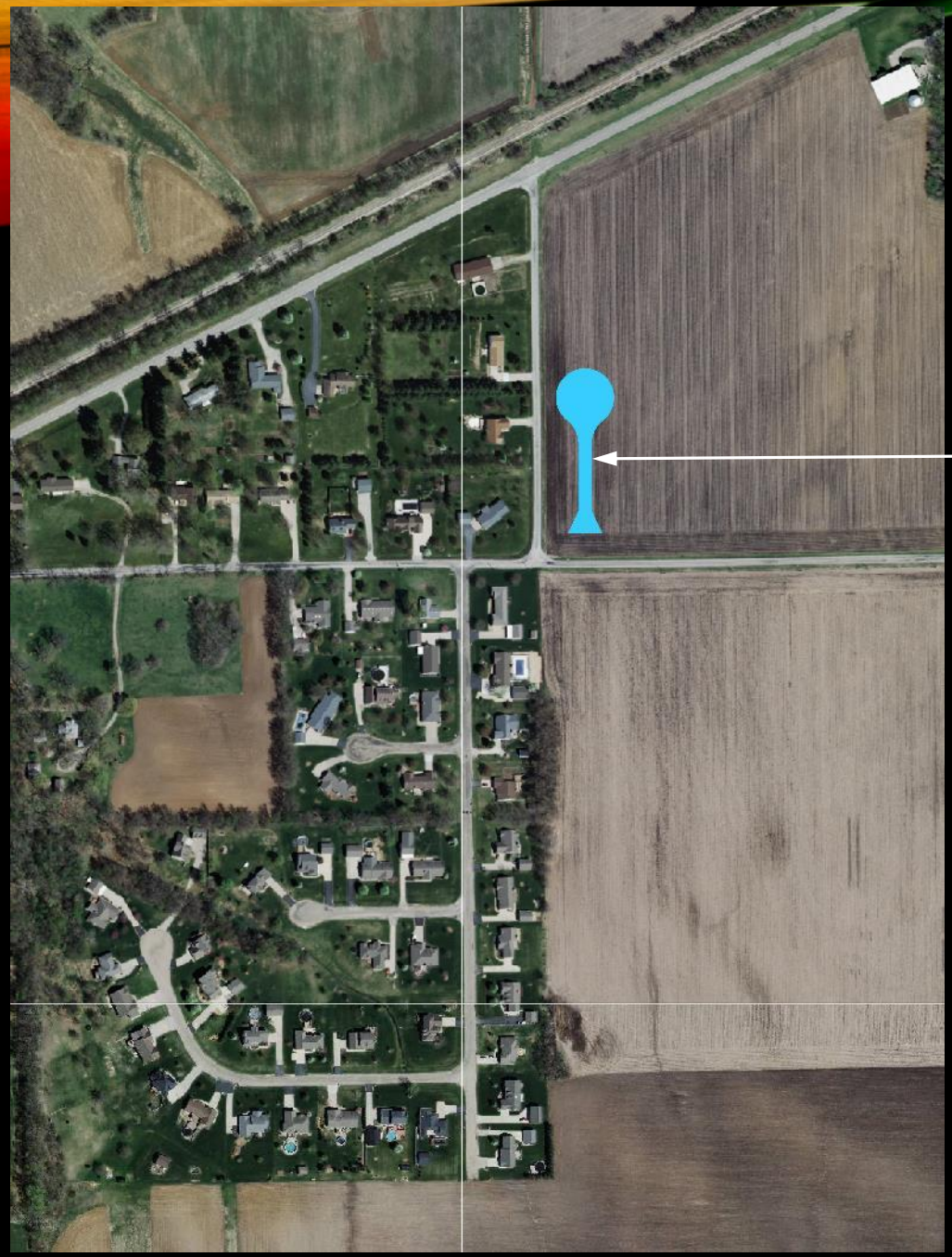
Washington Street from 3rd Street to 7th Street

Install new 6" watermain and services

$130,000

KUHN & TRELLO

WATER



Northeast corner of Lyons Street and East Raylots Street

Construct new water tower

$1,000,000

WATER

Proposed water system improvements and preliminary construction costs

Lincoln Street from 3rd Street to Route 36	$470.000
Lincoln Street from Washington Street via Route 36	$54,000
Lincoln Street from Washington Street via Turney Street	$27,000
3rd Street from South 4th Street to Menard Street	$340,000
3rd Street from Menard Street north to the S-curve	$198,000
Adams Street from 3rd Street to 7th Street	$138,000
Washington Street from 3rd Street to 7th Street	$130,000
Installing additional water tower	$1,000,000
Auto read meters	$900,000
Painting existing water tower at school	$250,000
Painting existing water tower at apartments	$400,000
Installing additional well	$450,000
Removing old tank at water treatment plant	$20,000
Salt brine tank at water treatment plant	$100,000
Replace/Additional reaction tank at water treatment plant	$140,000
Total preliminary construction cost	$4,617,000

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SANITARY SEWER

Scope of sanitary sewer system improvements

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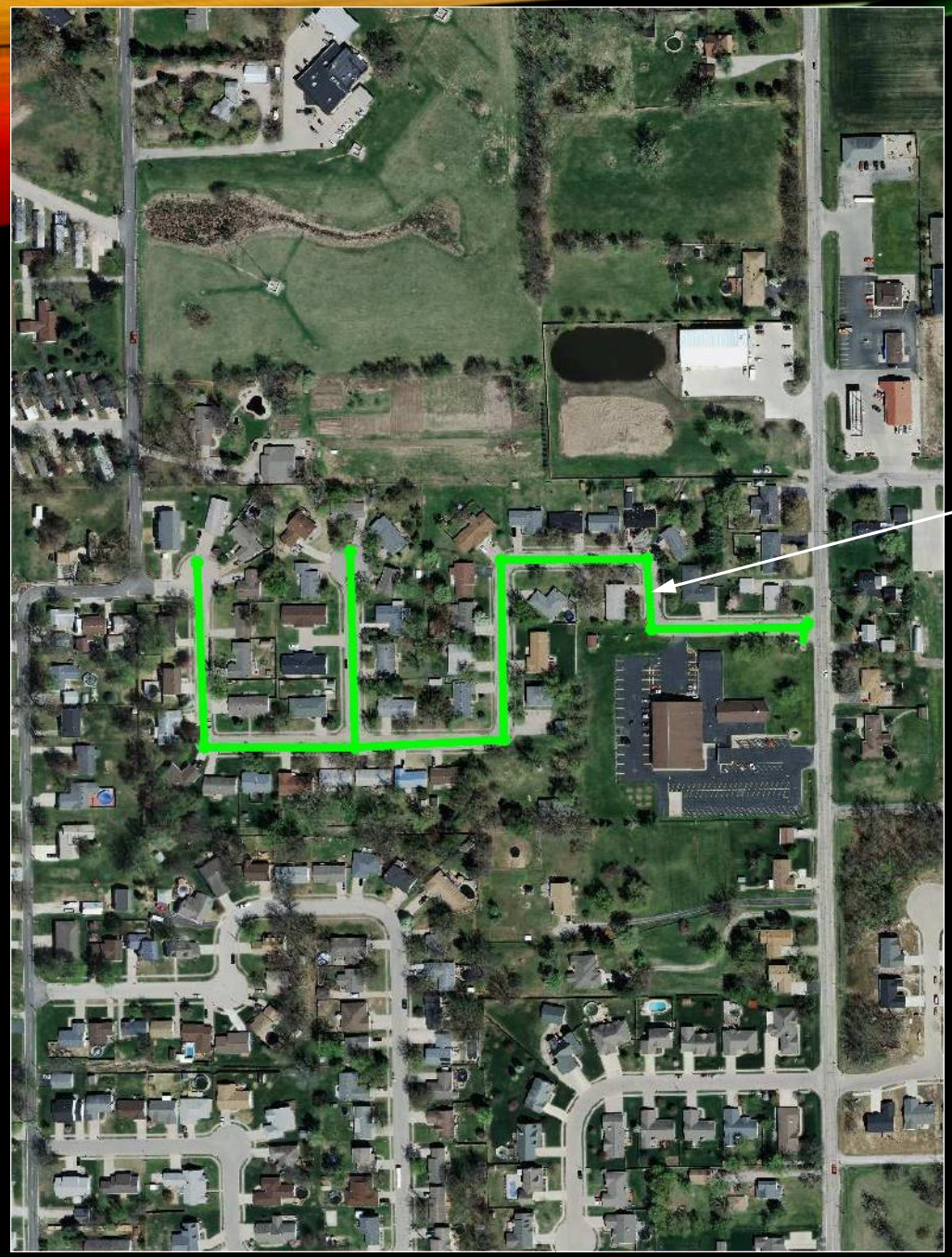

SANITARY SEWER

Riviera Subdivision

Total Scope

Repair / replace sanitary sewer, mill & overlay existing roadway, partial replacement of concrete gutter where necessary

$713,000

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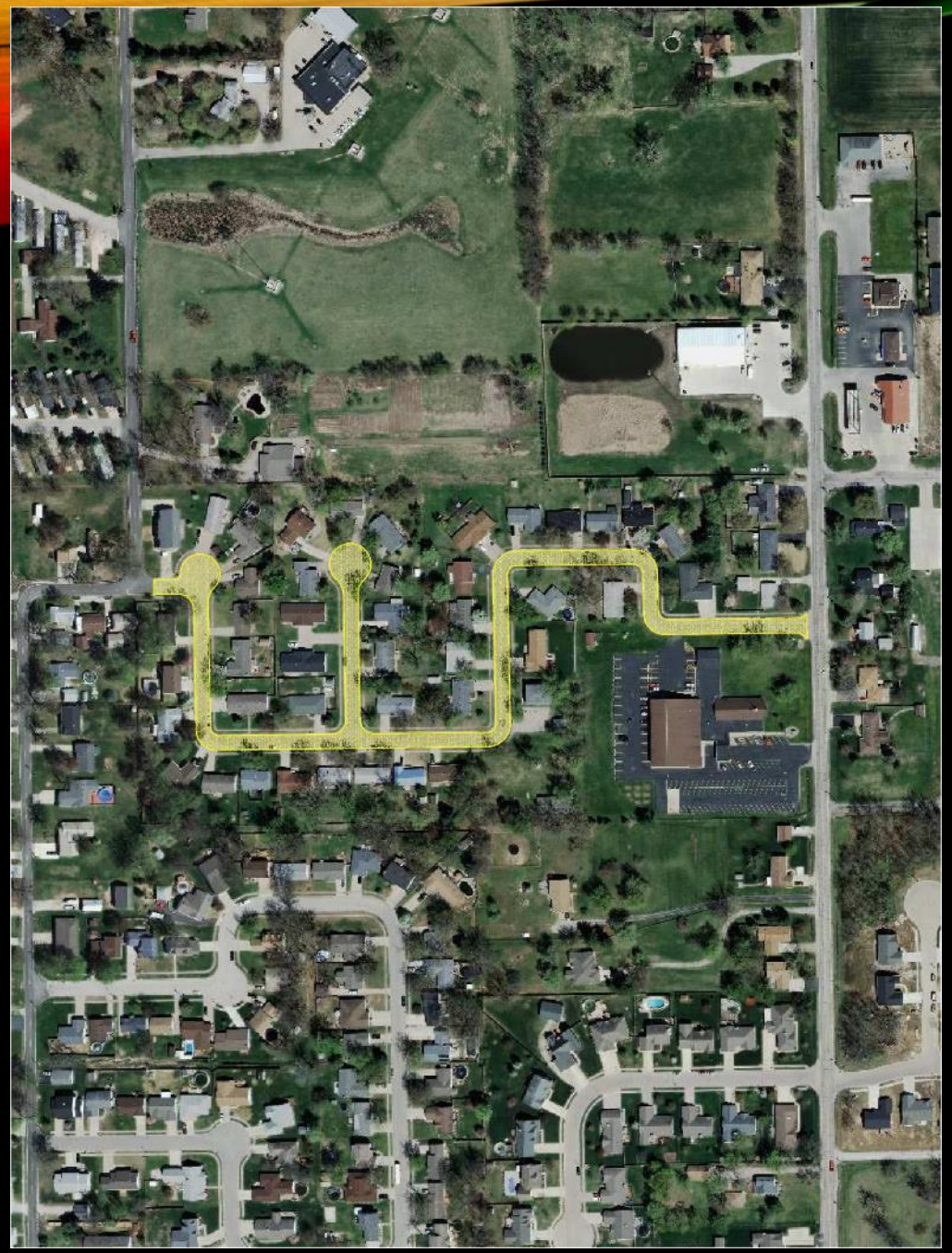

SANITARY SEWER

Riviera Subdivision

Phase 1

Mill entire asphalt surface 2" depth

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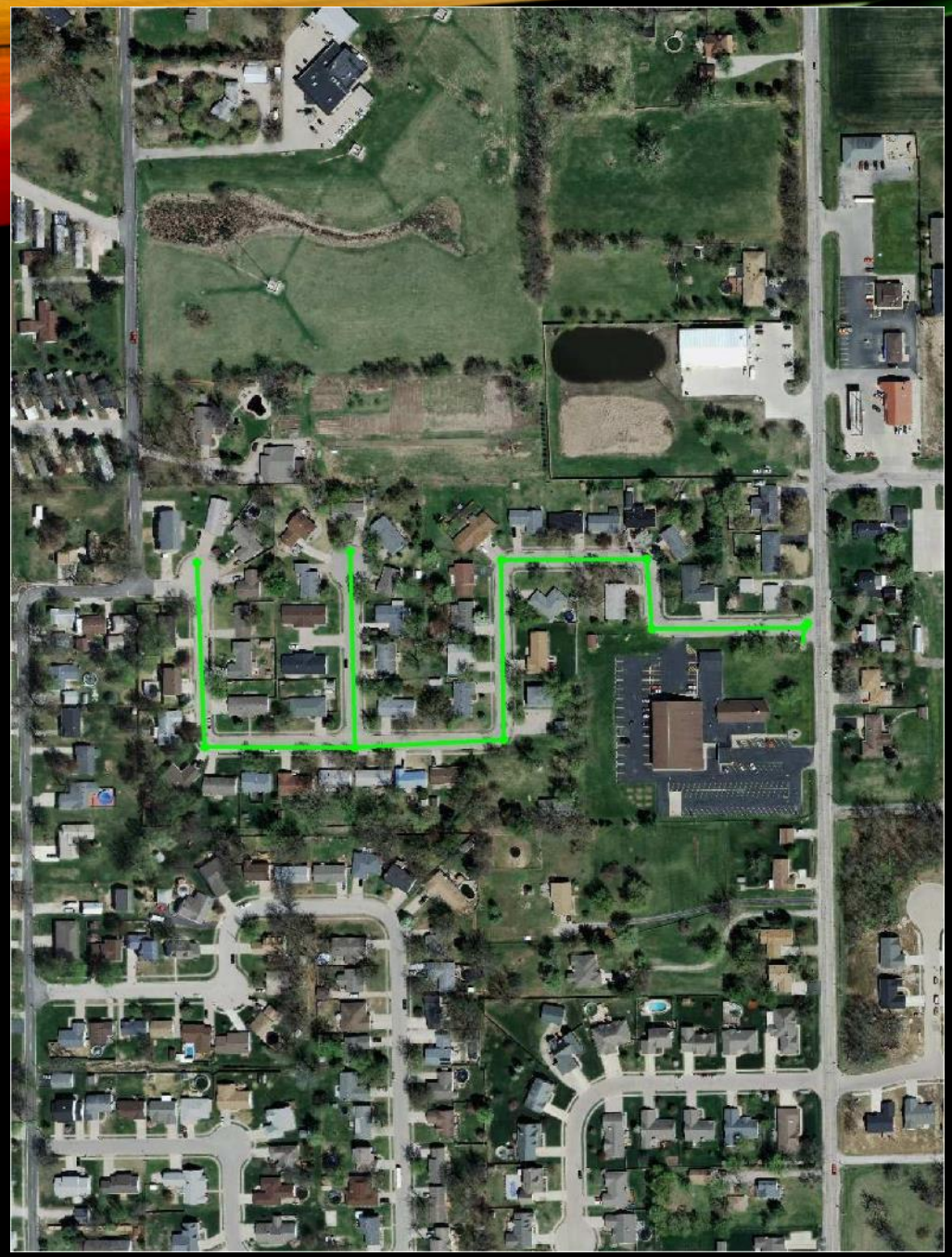

SANITARY SEWER

Riviera Subdivision

Phase 2

Sawcut, remove pavement and excavate for trench. Remove existing sanitary sewer and manholes and install new sewer and manholes simultaneously (live conditions). Backfill trench and cap with CA-6 and hot-mix asphalt binder.

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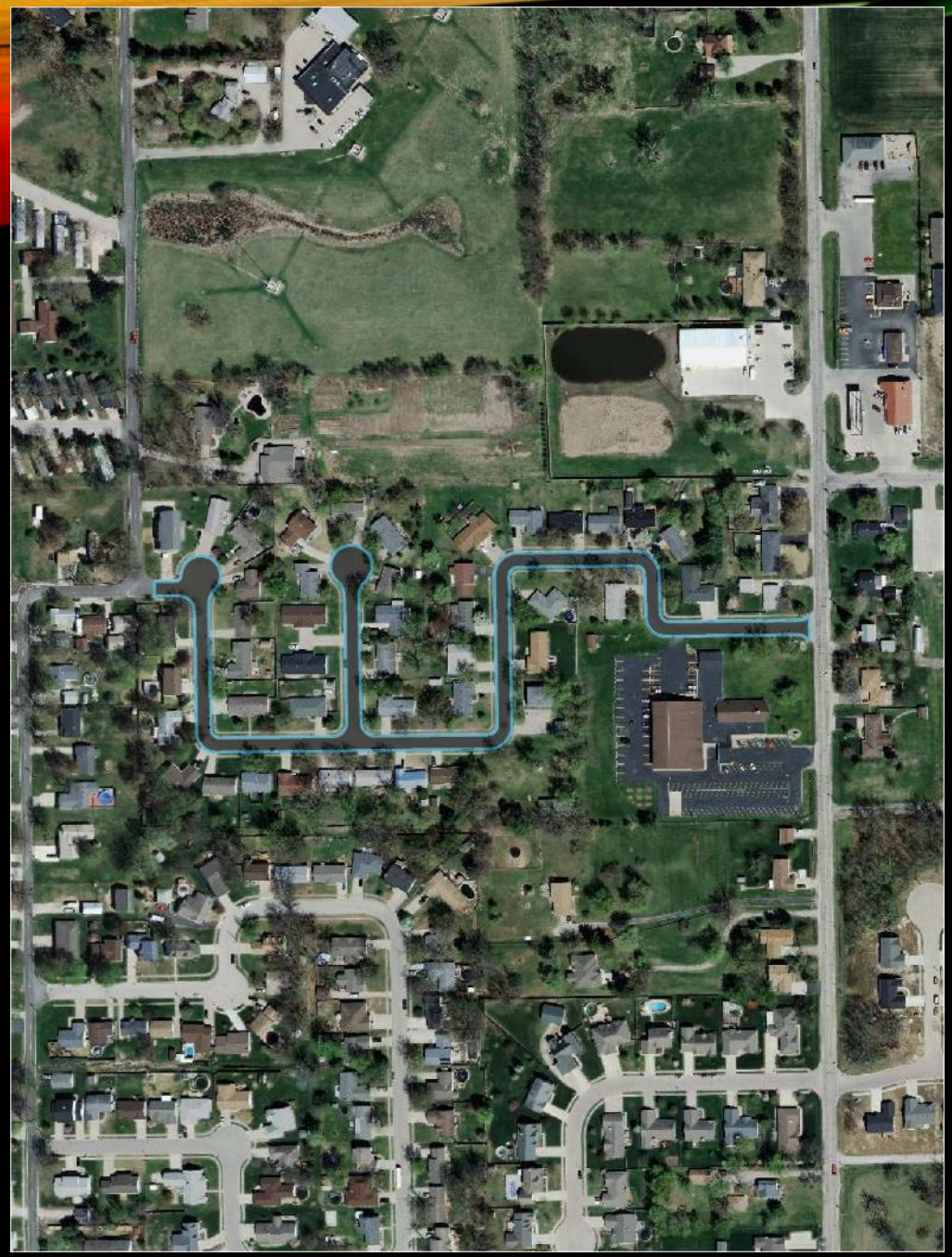

SANITARY SEWER

Riviera Subdivision

Phase 3

Replace concrete gutter sections where necessary, overlay entire surface with 2" hot-mix asphalt.

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SANITARY SEWER

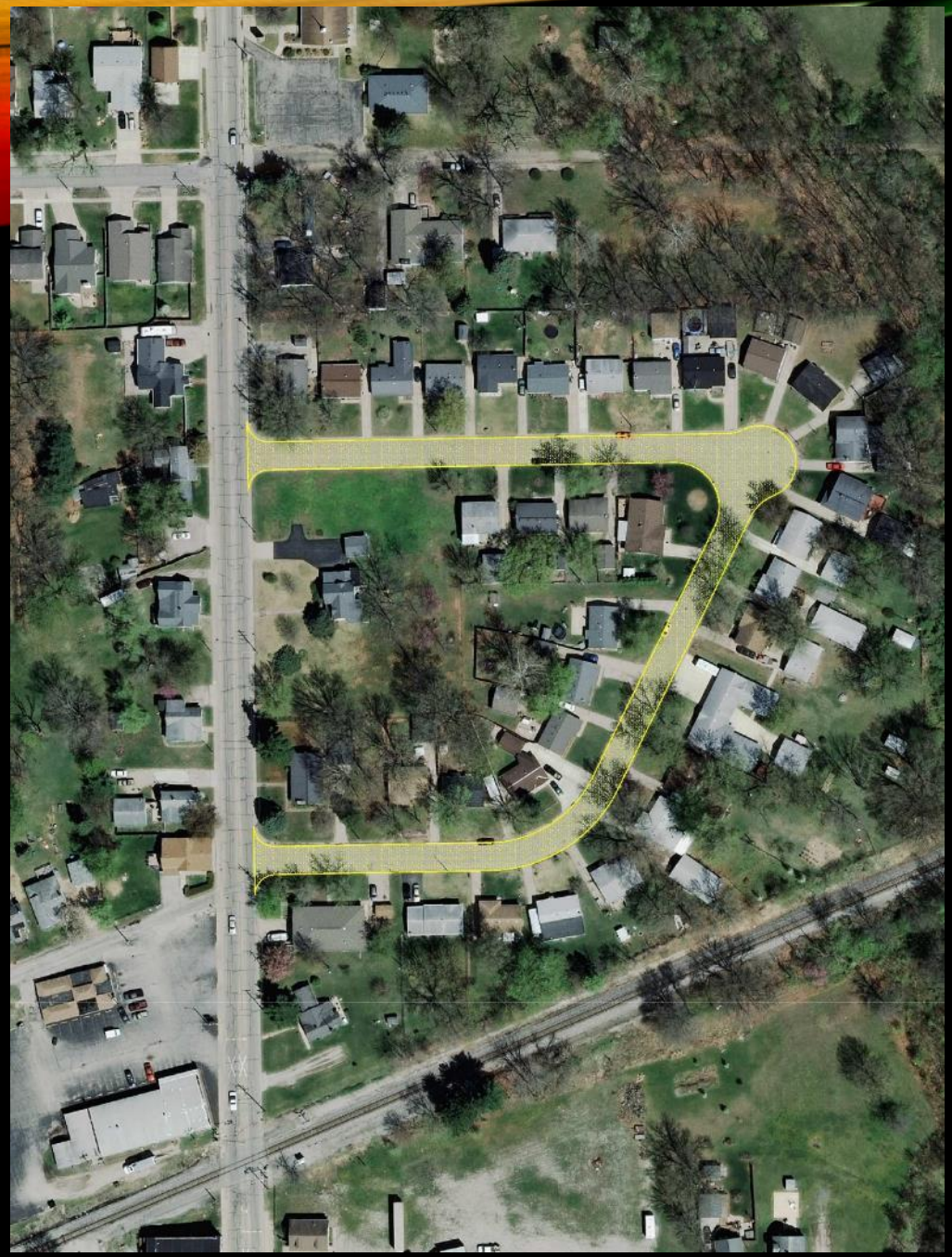
Ivy Hills Subdivision

Total Scope

Repair / replace sanitary sewer, mill & overlay existing roadway, partial replacement of concrete gutter where necessary

$418,000

KUHN & TRELLO



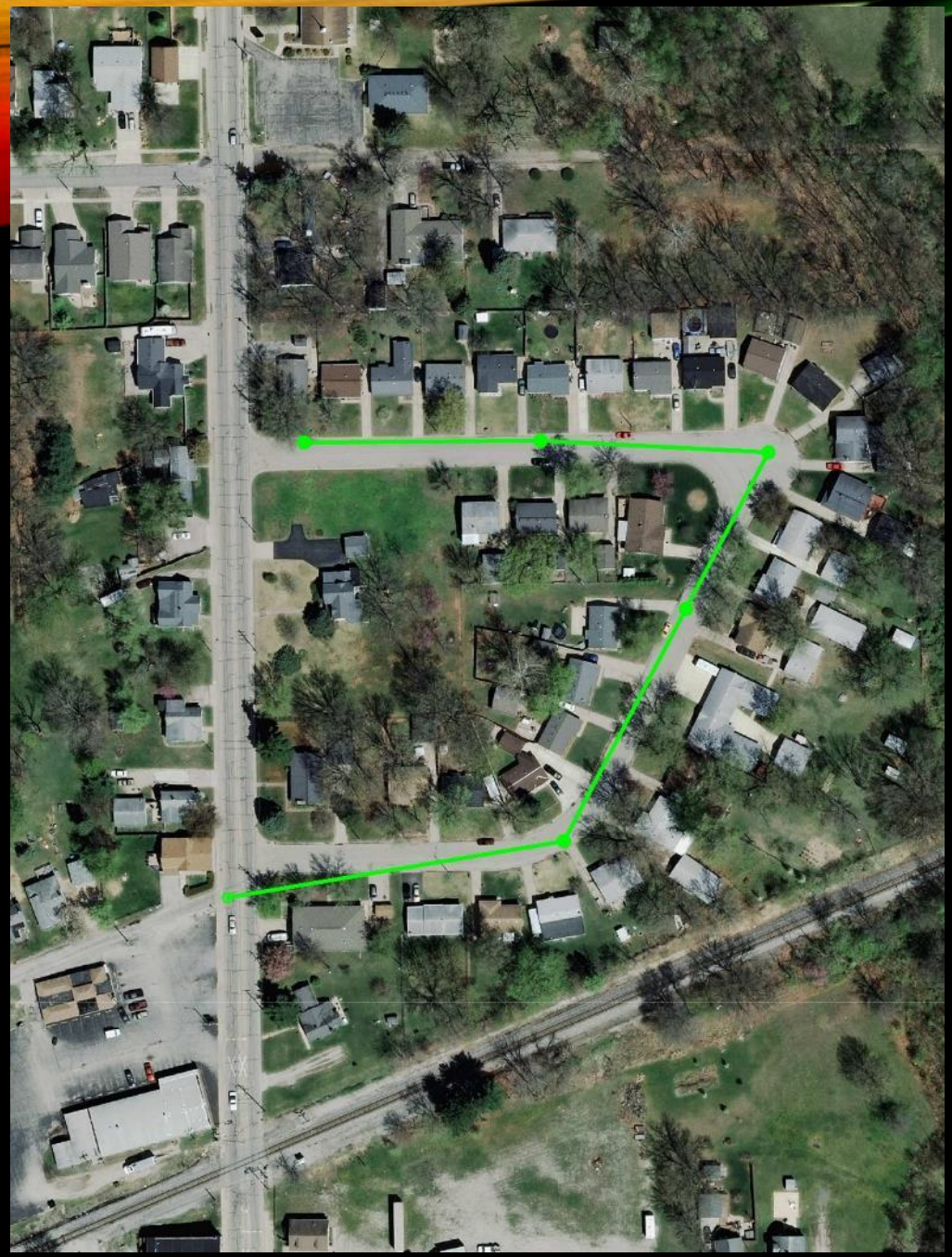
SANITARY SEWER

Ivy Hills Subdivision

Phase 1

Mill entire asphalt surface 2" depth

KUHN & TRELLO



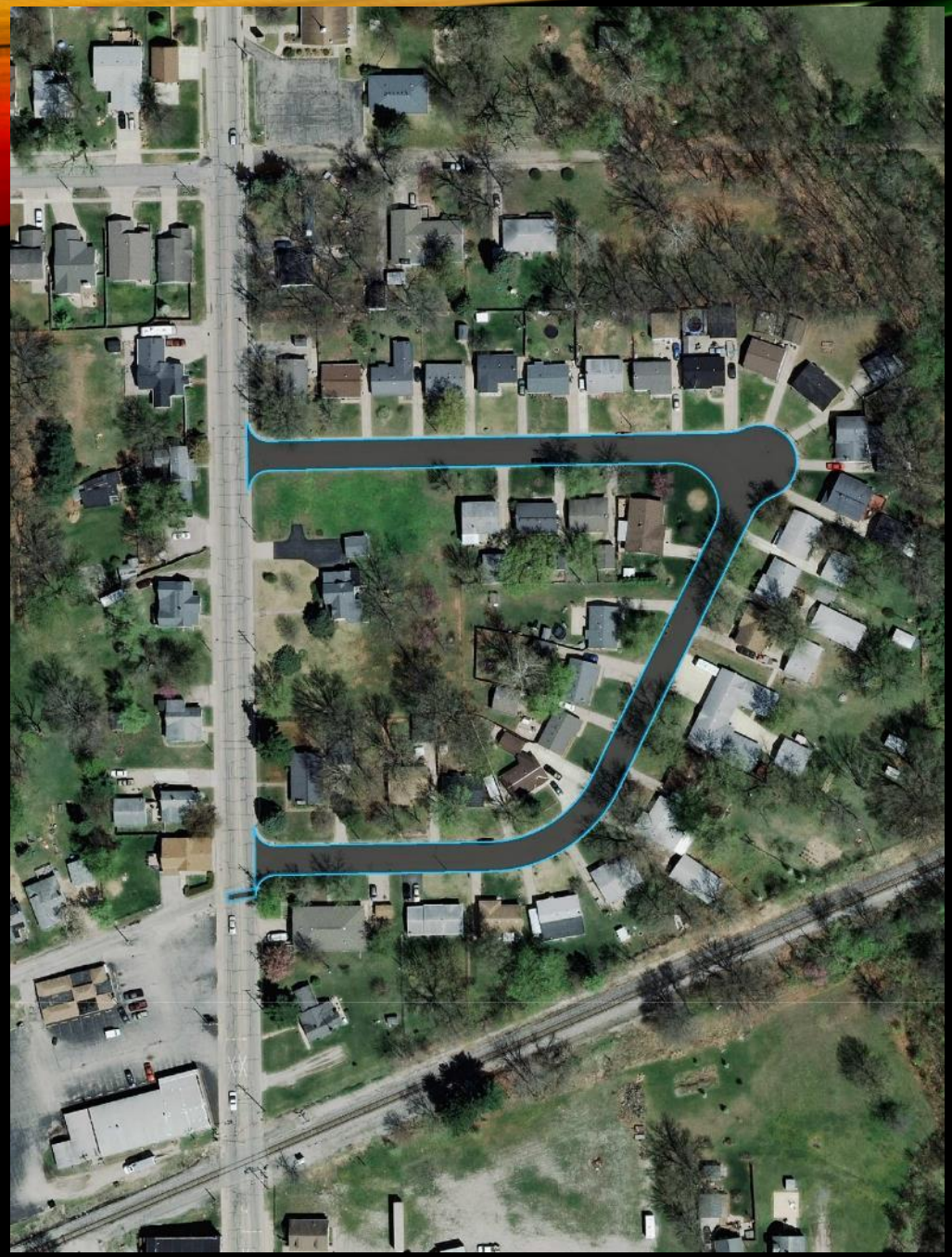
SANITARY SEWER

Ivy Hills Subdivision

Phase 2

Sawcut, remove pavement and excavate for trench. Remove existing sanitary sewer and manholes and install new sewer and manholes simultaneously (live conditions). Backfill trench and cap with CA-6 and hot-mix asphalt binder.

KUHN & TRELLO



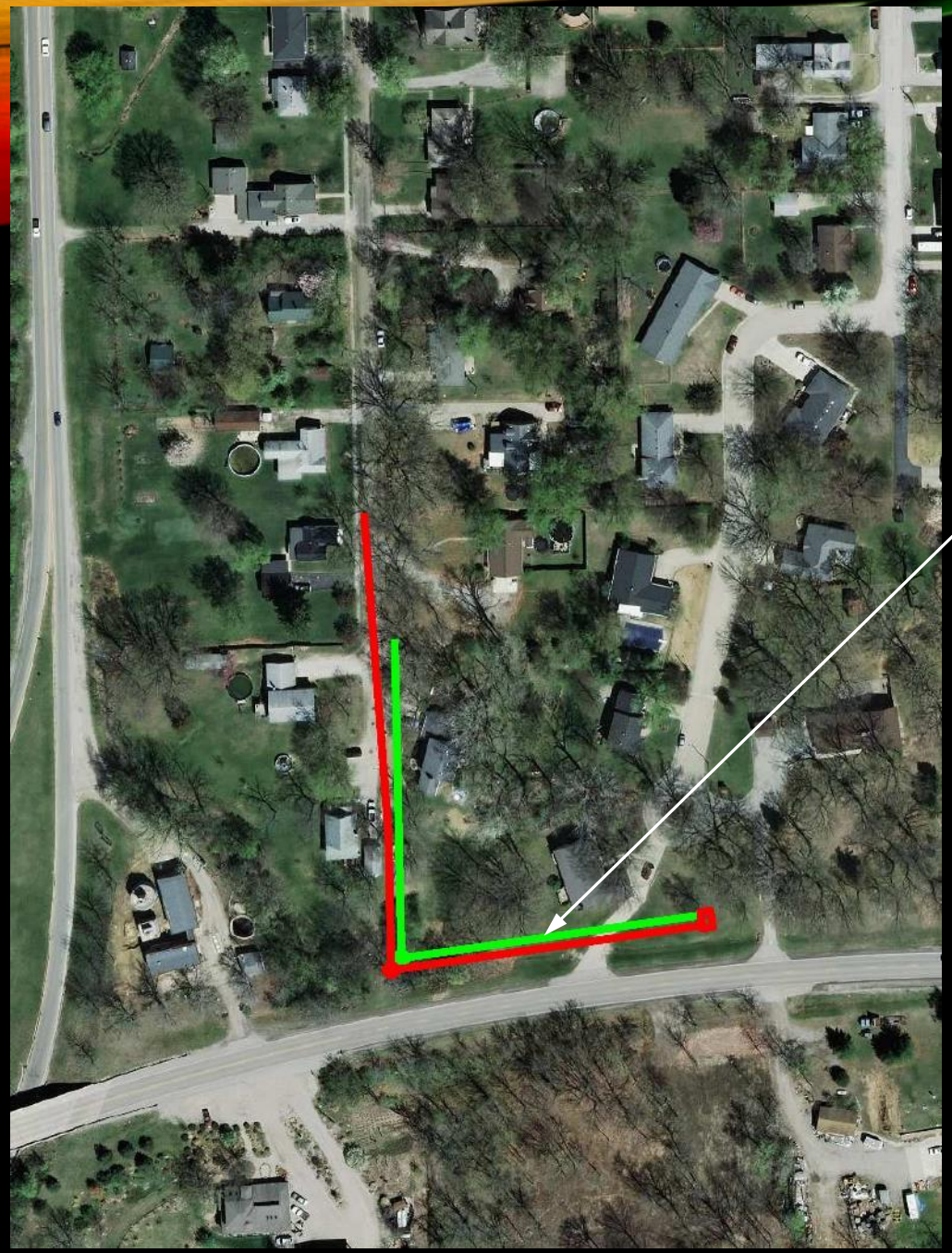
SANITARY SEWER

Ivy Hills Subdivision

Phase 3

Replace concrete gutter sections where necessary, overlay entire surface with 2" hot-mix asphalt.

KUHN & TRELLO



SANITARY SEWER

8th Street Extension

Total Scope

Extend existing sanitary sewer south, install new lift station and forcemain.

$262,000

KUHN & TRELLO

SANITARY SEWER

8th Street Extension

Phase 1

Install new lift station north of Old Rte 36, and new forcemain west along Old Rte 36 and north on 8th Street.

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SANITARY SEWER

8th Street Extension

Phase 2

Install new sanitary sewer south on 8th Street and along Old Rte 36 to new lift station.

Backfill trenches. Cap with CA-6 and seal coat in roadway. Seed all disturbed ground.

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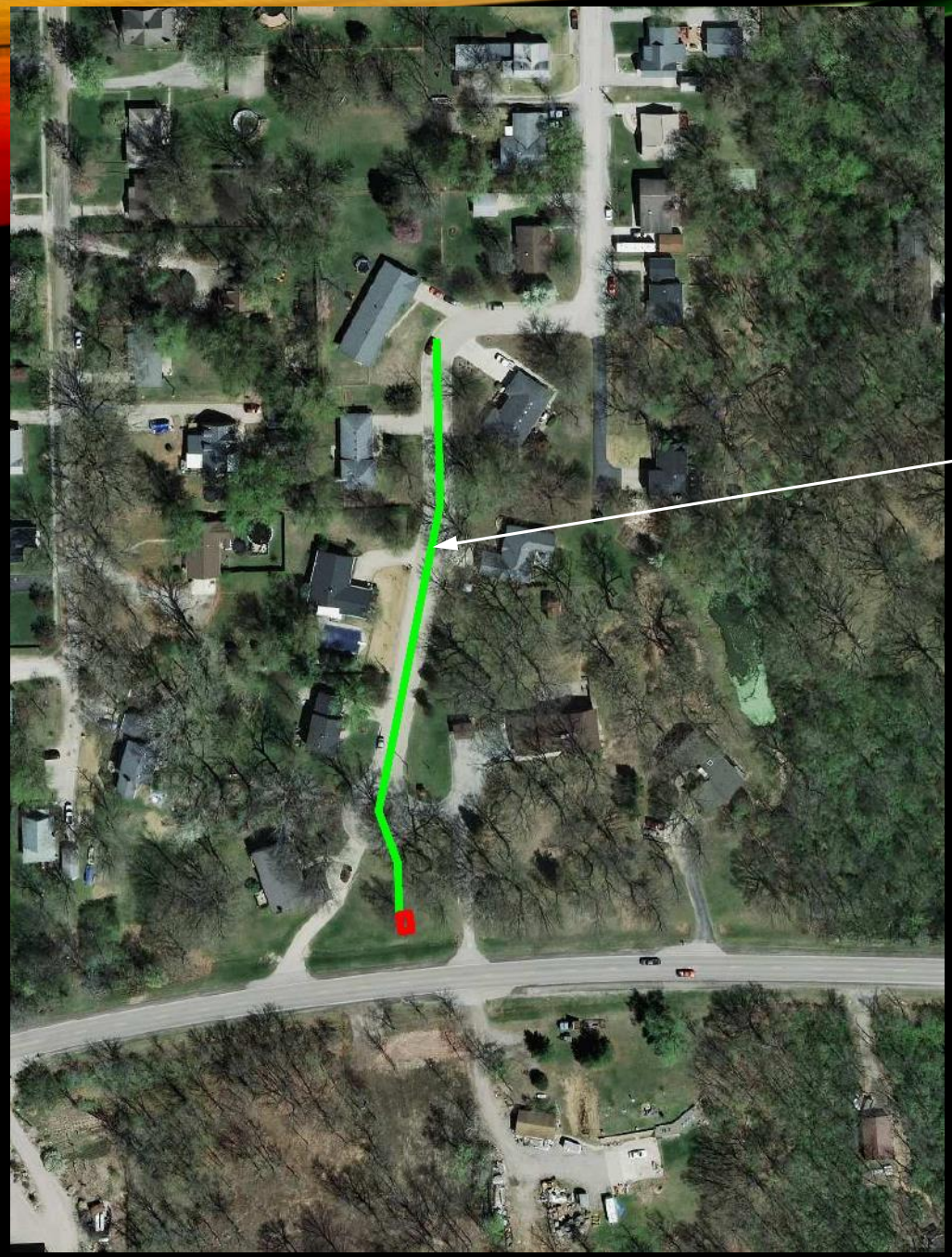


SANITARY SEWER

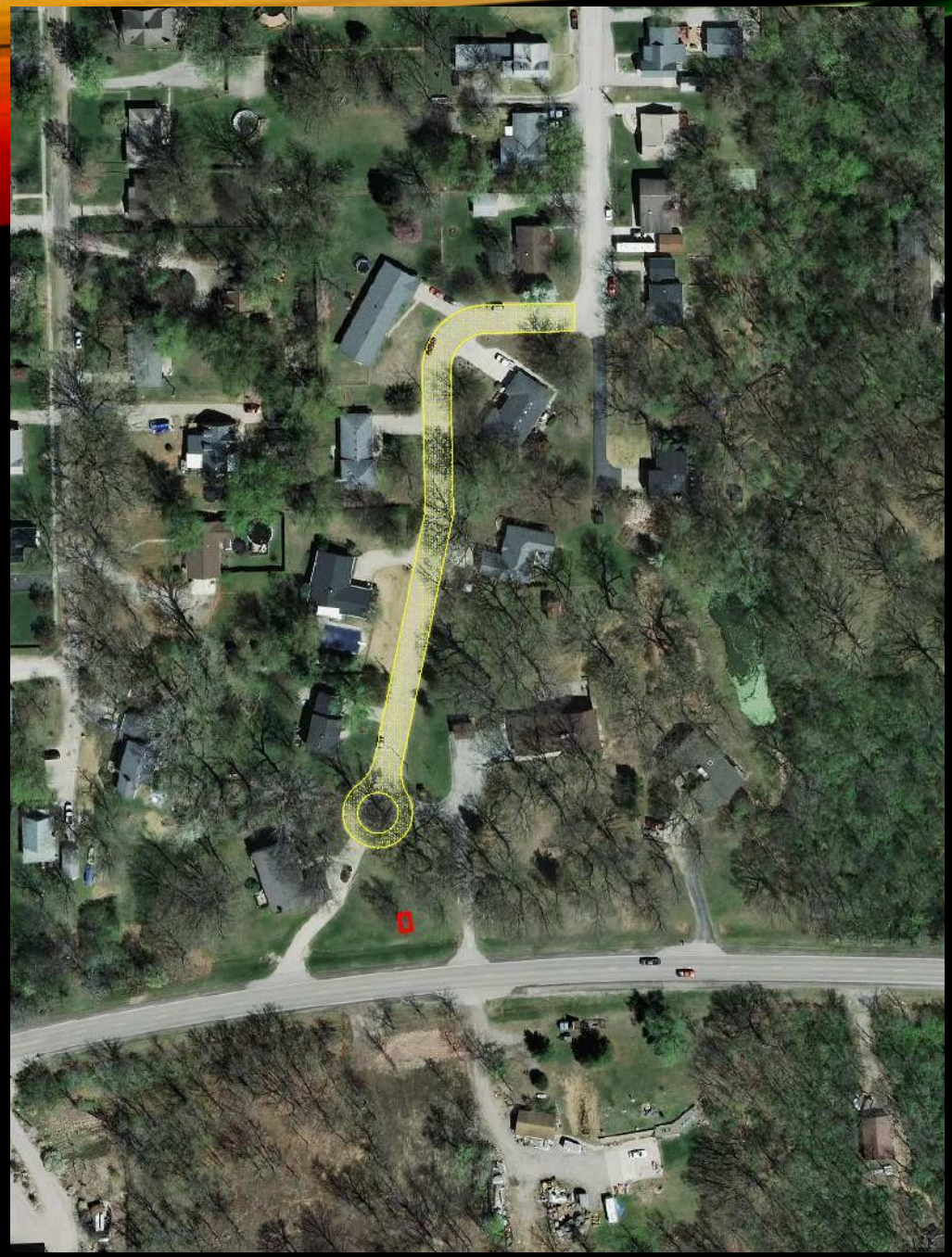
Lydia Lane

Total Scope

Construct new sanitary sewer south to new lift station at Old Rte 36.

$156,000

KUHN & TRELLO



SANITARY SEWER

Lydia Lane

Phase 1

Mill entire asphalt surface 2" depth

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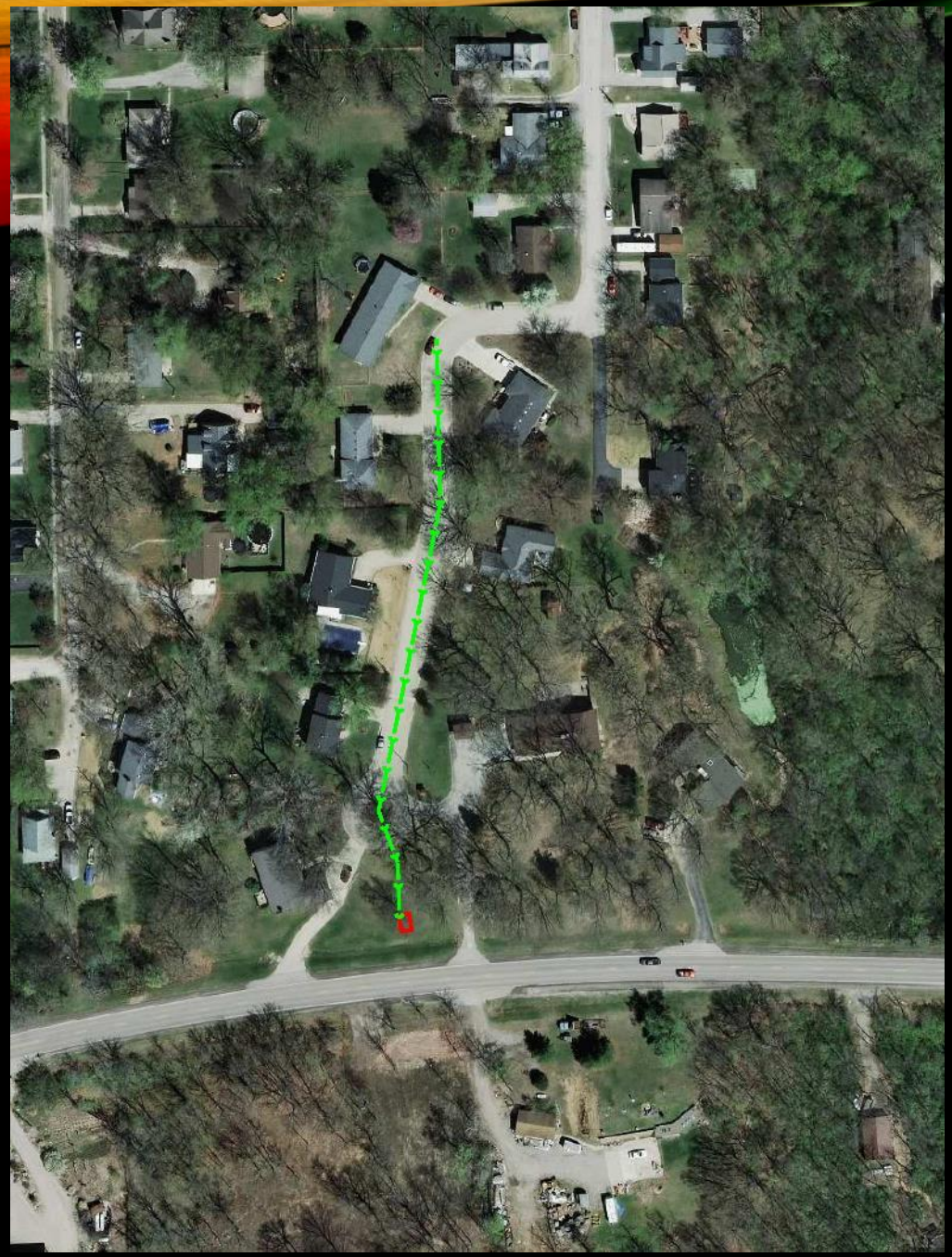


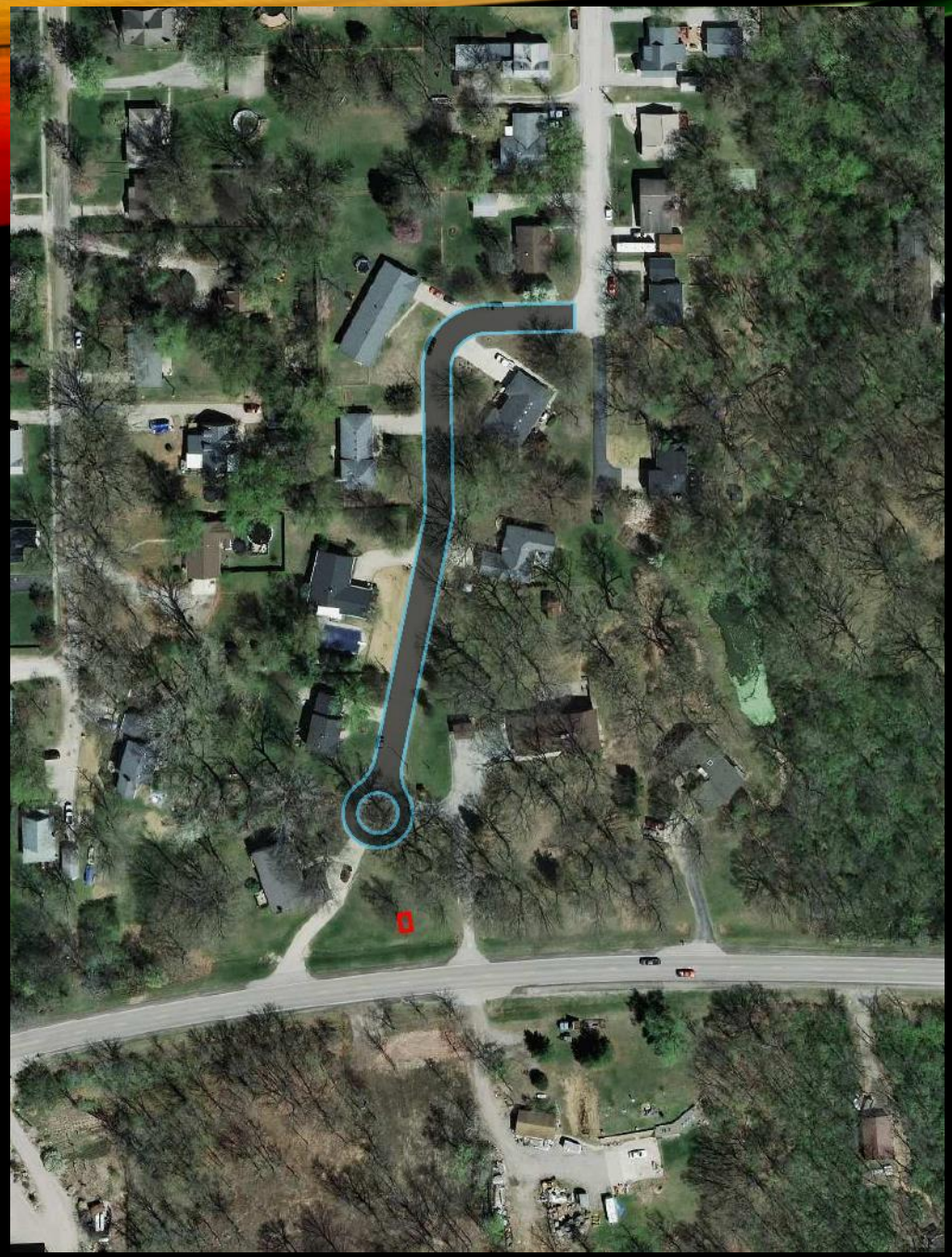
SANITARY SEWER

Lydia Lane

Phase 2

Sawcut, remove pavement and excavate for trench. Install new sewer and manholes to new lift station. Backfill trench and cap with CA-6 and hot-mix asphalt binder. Seed all disturbed ground.

KUHN & TRELLO



SANITARY SEWER

Lydia Lane

Phase 3

Replace concrete gutter sections where necessary, overlay entire surface with 2" hot-mix asphalt.

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SANITARY SEWER

Proposed sanitary sewer system improvements and preliminary construction costs	
Dredging of the existing sewer lagoon	$1,335,000
Repair / Replace sewer in Riviera Subdivision (Mill & Overlay)	$713,000
Repair / Replace sewer in Ivy Hills Subdivision (Mill & Overlay)	$418,000
Extend sewer south on Lydia Lane	$156,000
Extend sewer south on 8th Street (including lift station & force main)	$262,000
Total preliminary construction cost	$2,884,000

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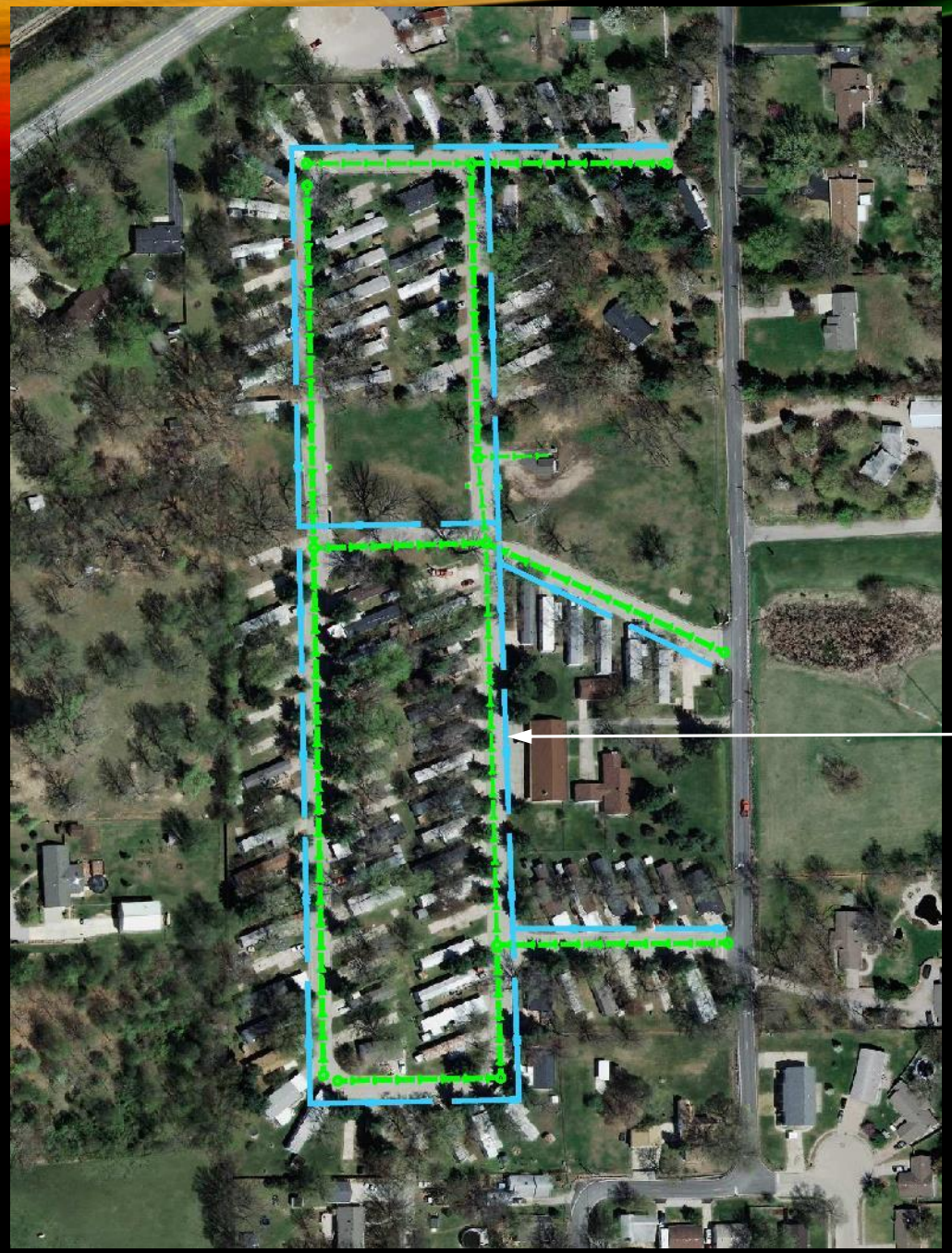

RECONSTRUCTION, WATER & SANITARY SEWER

Lucky Horseshoe Subdivision

Total Scope

Install new sanitary sewer and services, new 6" watermain and services.

Mill & overlay existing roadway, partial replacement of concrete gutter where necessary. Install new storm sewer segments to improve drainage.

$1,418,000

* There are outstanding legal issues with respect to who owns the infrastructure and maintenance responsibilities that need to be resolved before this project could be initiated.

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RECONSTRUCTION, WATER & SANITARY SEWER

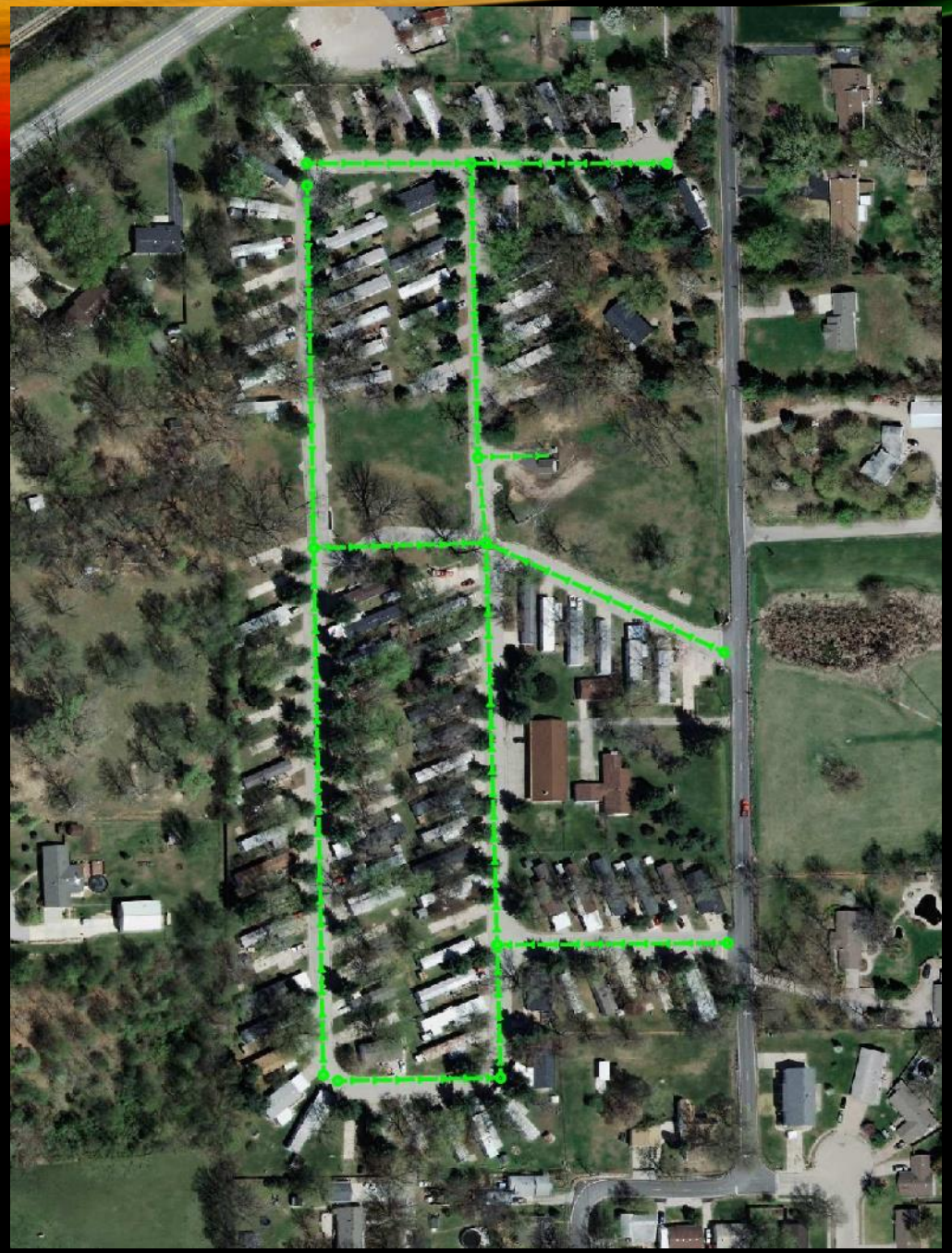
Lucky Horseshoe Subdivision

Phase 1

Mill entire asphalt surface 2" depth

* There are outstanding legal issues with respect to who owns the infrastructure and maintenance responsibilities that need to be resolved before this project could be initiated.

KUHN & TRELLO



RECONSTRUCTION, WATER & SANITARY SEWER

Lucky Horseshoe Subdivision

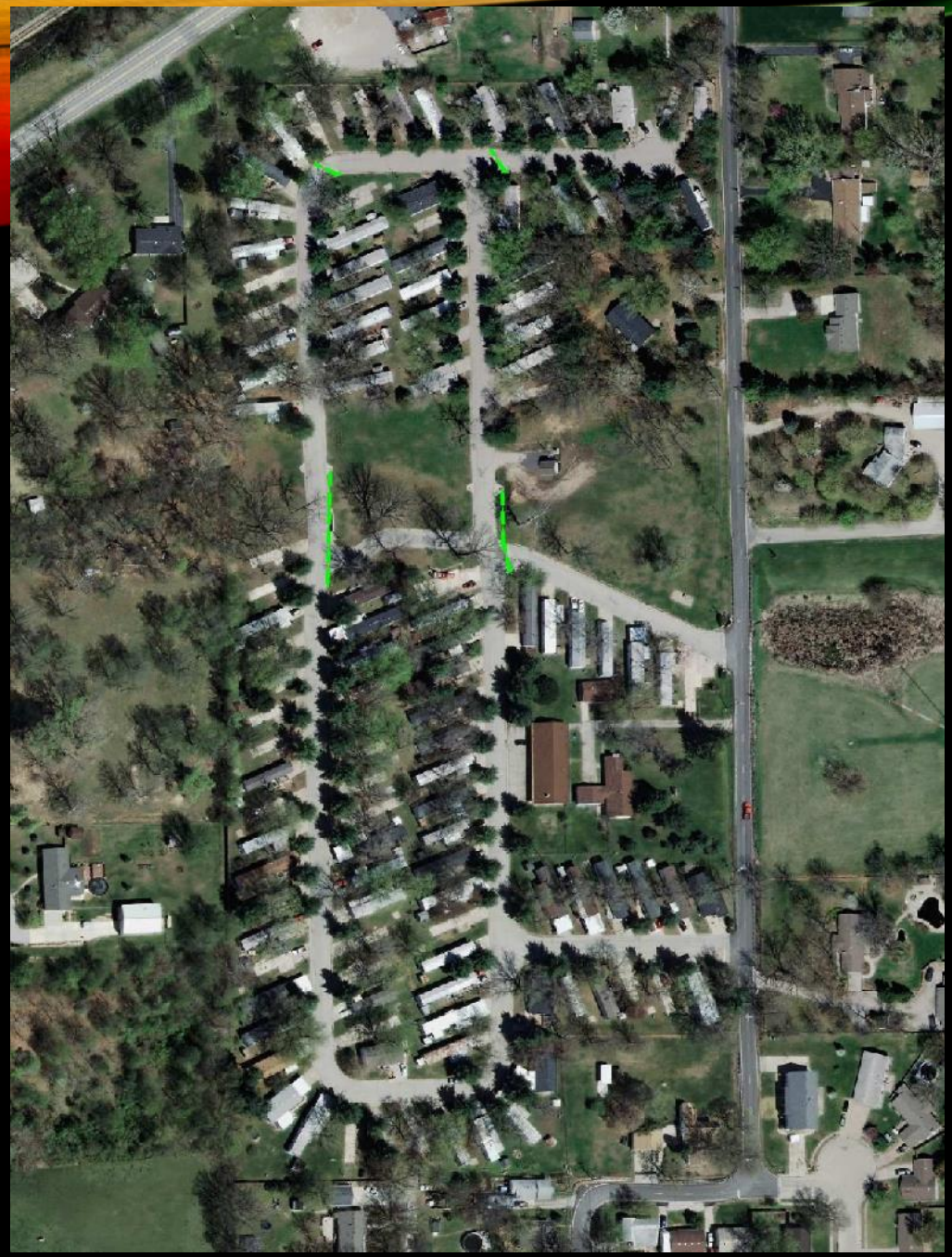
Phase 2

Sawcut, remove pavement and excavate for trench. Install new sewer and manholes in roadway. Backfill trench and cap with CA-6 and hot-mix asphalt binder.

Plug and abandon existing sanitary sewers and manholes in place.

* There are outstanding legal issues with respect to who owns the infrastructure and maintenance responsibilities that need to be resolved before this project could be initiated.

KUHN & TRELLO



RECONSTRUCTION, WATER & SANITARY SEWER

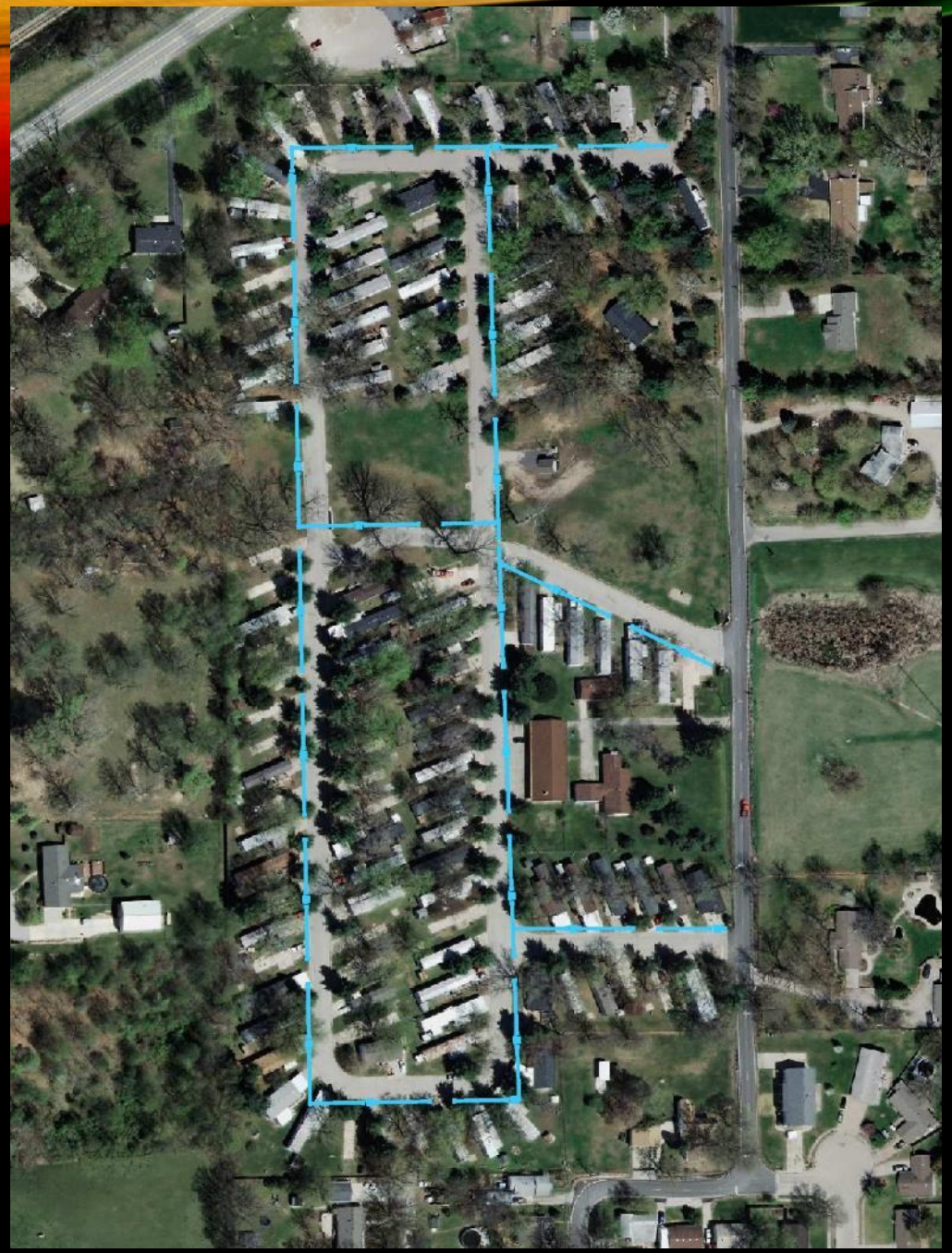
Lucky Horseshoe Subdivision

Phase 3

Install new storm sewer and inlets.

* There are outstanding legal issues with respect to who owns the infrastructure and maintenance responsibilities that need to be resolved before this project could be initiated.

KUHN & TRELLO



RECONSTRUCTION, WATER & SANITARY SEWER

Lucky Horseshoe Subdivision

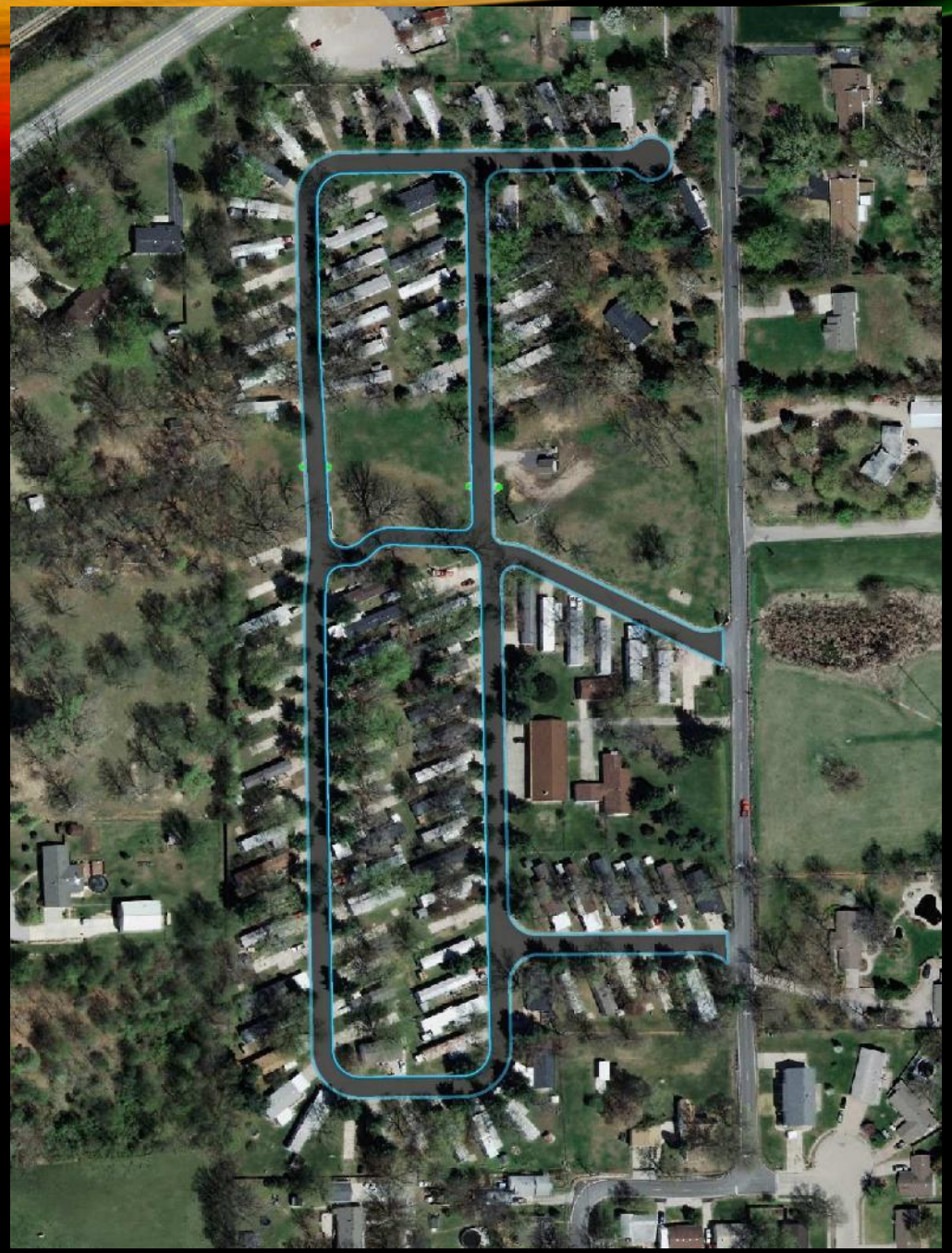
Phase 4

Install new 6" watermain along streets outside of concrete gutter.

Abandon existing watermain in place.

* There are outstanding legal issues with respect to who owns the infrastructure and maintenance responsibilities that need to be resolved before this project could be initiated.

KUHN & TRELLO



RECONSTRUCTION, WATER & SANITARY SEWER

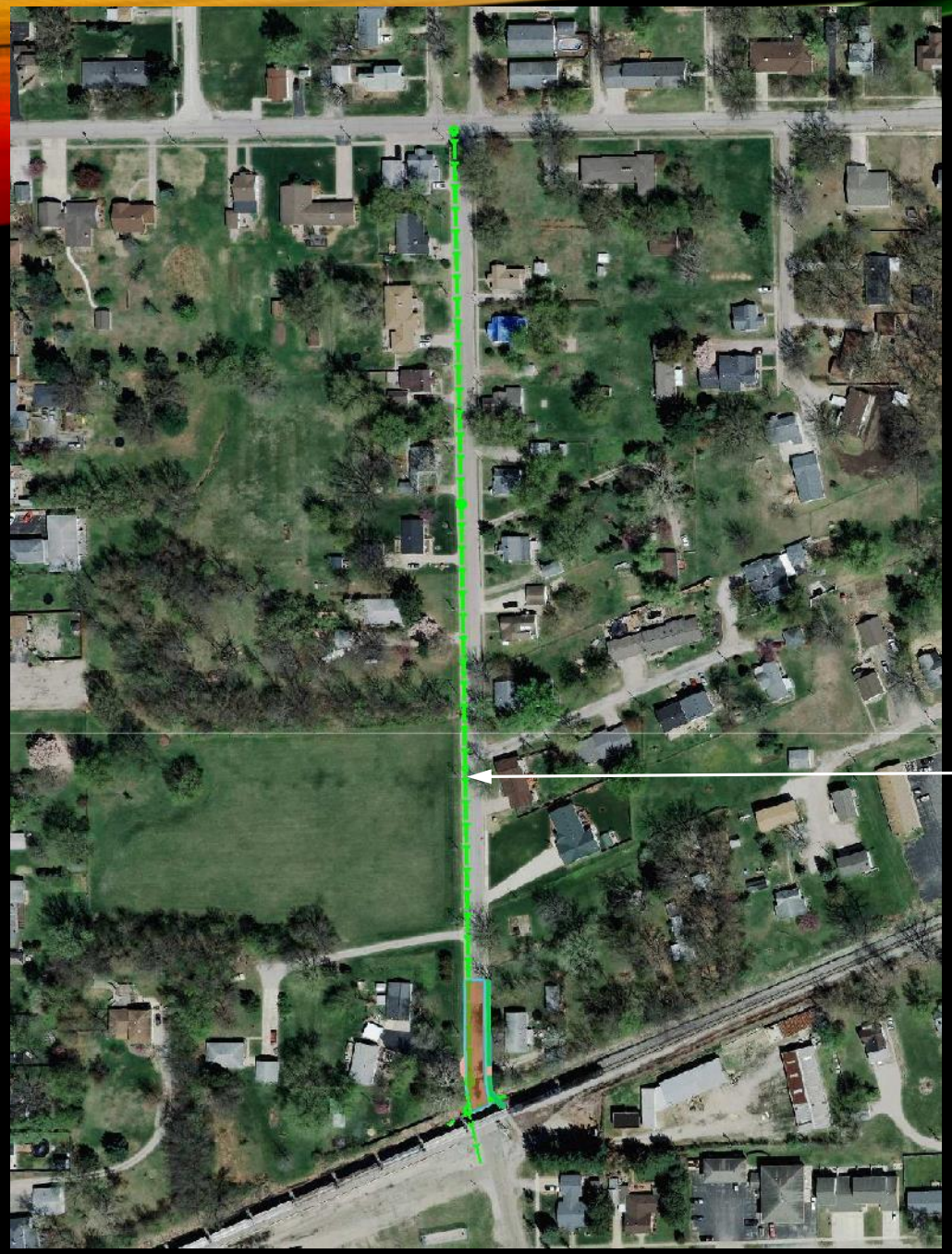
Lucky Horseshoe Subdivision

Phase 5

Replace concrete gutter sections where necessary, overlay entire surface with 2" hot-mix asphalt.

* There are outstanding legal issues with respect to who owns the infrastructure and maintenance responsibilities that need to be resolved before this project could be initiated.

KUHN & TRELLO



RECONSTRUCTION & SANITARY SEWER

5th Street – Railroad to Menard Street

Total Scope

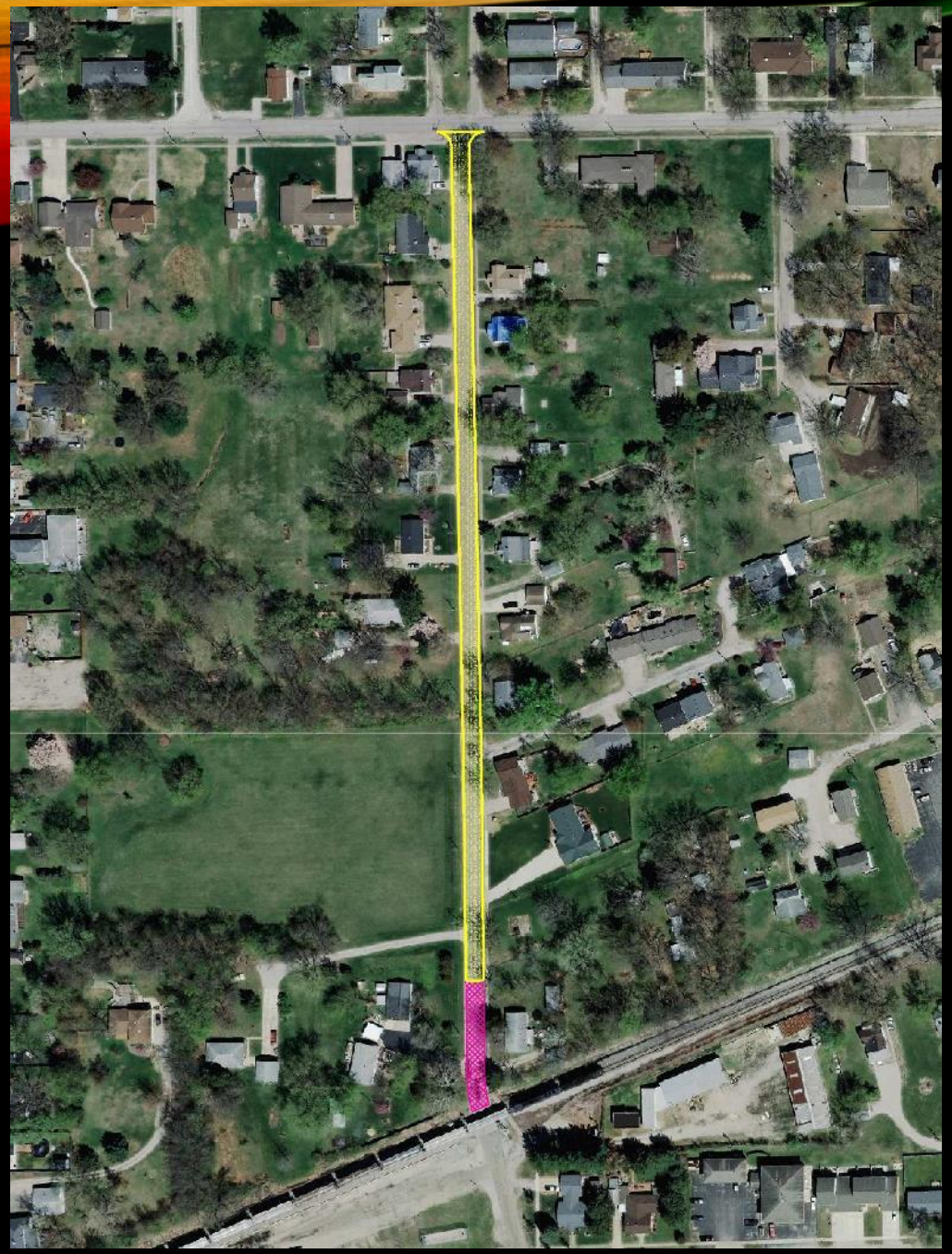
Remove existing sanitary sewer and manholes. Install new sanitary sewer, manholes and service connections.

Mill & overlay existing roadway, partial replacement of concrete gutter where necessary.

Reconstruct and reprofile approximately 200' of existing street north of railroad to correct drainage problem.

$521,000

KUHN & TRELLO



RECONSTRUCTION & SANITARY SEWER

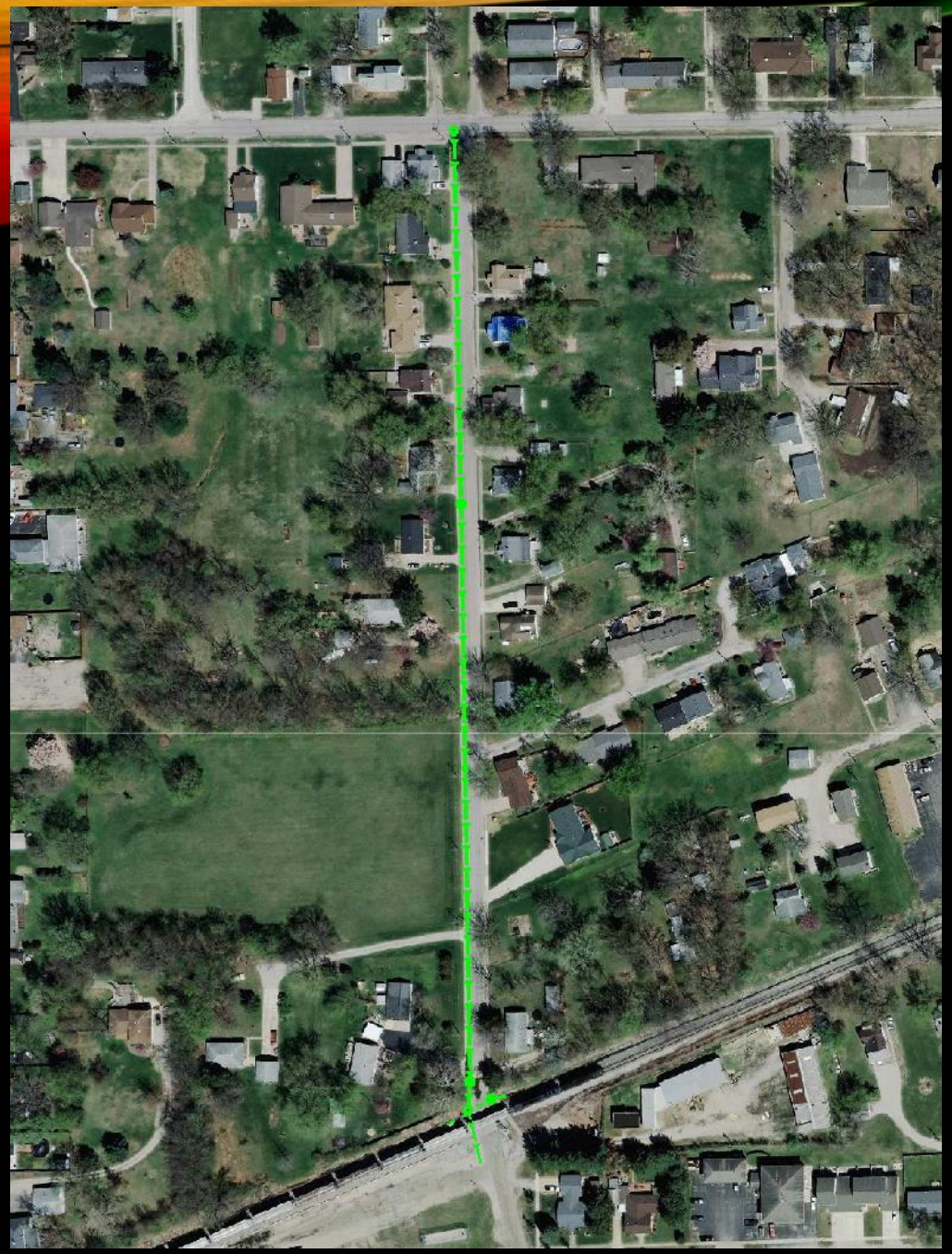
5th Street – Railroad to Menard Street

Phase 1

Mill asphalt surface 2" depth from Menard Street to area to be reprofiled.

Total removal of existing pavement, curb & gutter and sidewalk in 200' area to be reprofiled.

KUHN & TRELLO



RECONSTRUCTION & SANITARY SEWER

5th Street – Railroad to Menard Street

Phase 2

Sawcut, remove pavement and excavate for trench. Remove existing sanitary sewer and manholes and install new sewer and manholes simultaneously (live conditions). Backfill trench and cap with CA-6 and hot-mix asphalt binder.

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RECONSTRUCTION & SANITARY SEWER

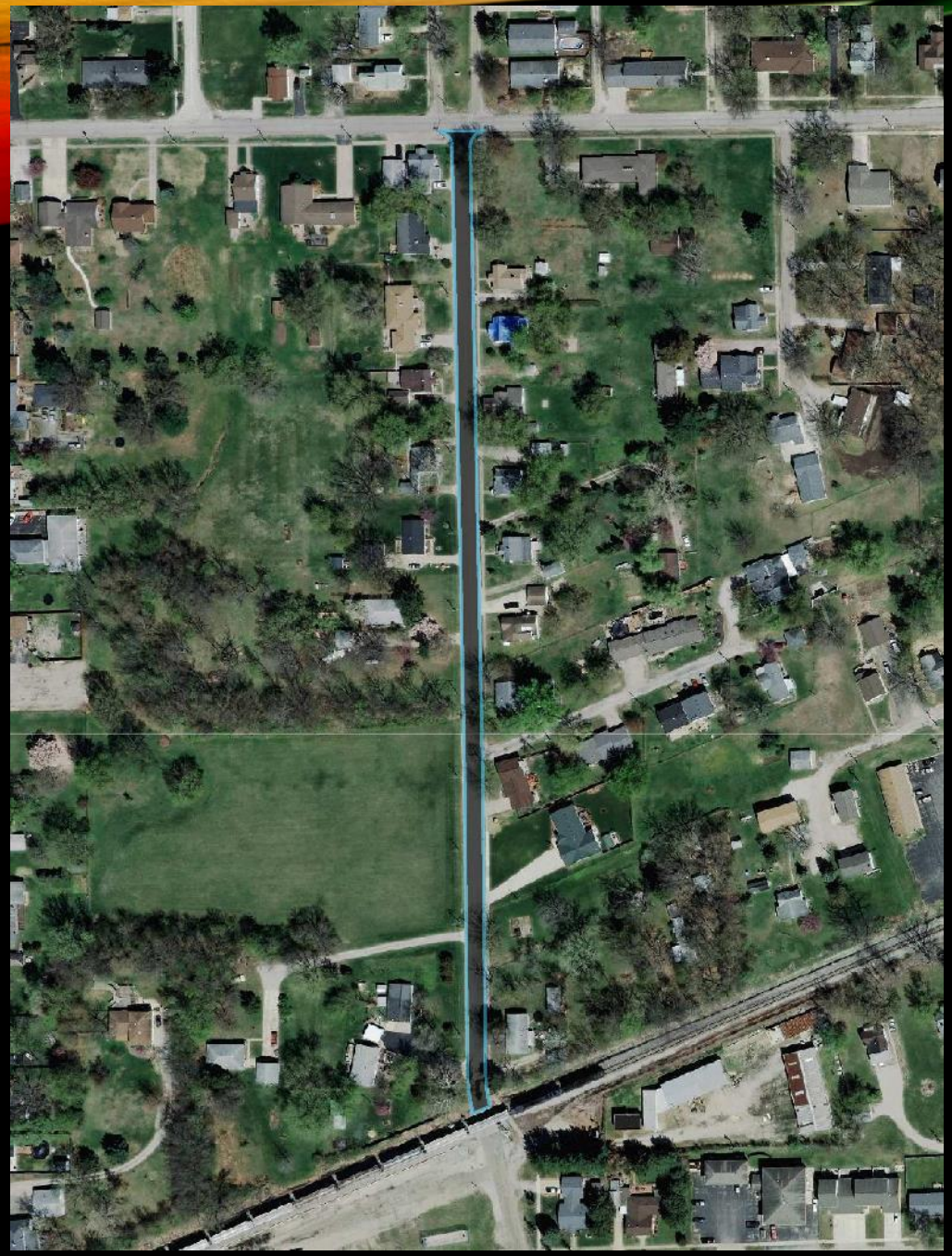
5th Street – Railroad to Menard Street

Phase 3

Remove existing steel pipe under sidewalk north of railroad. Install new manhole on east end of existing cross road culvert, and install new, longer pipe culvert under sidewalk.

Reprofile and reconstruct 200' of street north of railroad with new aggregate base, curb and gutter, sidewalk, hot-mix asphalt binder course, and partial driveway pavement replacement.

KUHN & TRELLO



RECONSTRUCTION & SANITARY SEWER

5th Street – Railroad to Menard Street

Phase 4

Replace concrete gutter sections where necessary, overlay entire surface with 2" hot-mix asphalt.

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COST SUMMARY

All Capital Improvement Projects	
Water	$ 4,617,000
Sanitary Sewer	$ 2,884,000
Lucky Horseshoe Subdivision	$ 1,418,000
5th Street Reconstruction	$ 521,000
Subtotal	$ 9,440,000
10% Contingencies	$ 944,000
8% Design Engineering	$ 831,000
8% Construction Engineering	$ 831,000
Total construction cost	$12,046,000

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VILLAGE OF RIVERTON

Infrastructure Study

QUESTIONS?

KUHN & TRELLO